Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501974

Luminaire Tested: GSS-SB1B-850-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501974
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-850-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 5000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3980.3 lumens
Efficiency:	N/A
Efficacy:	99.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

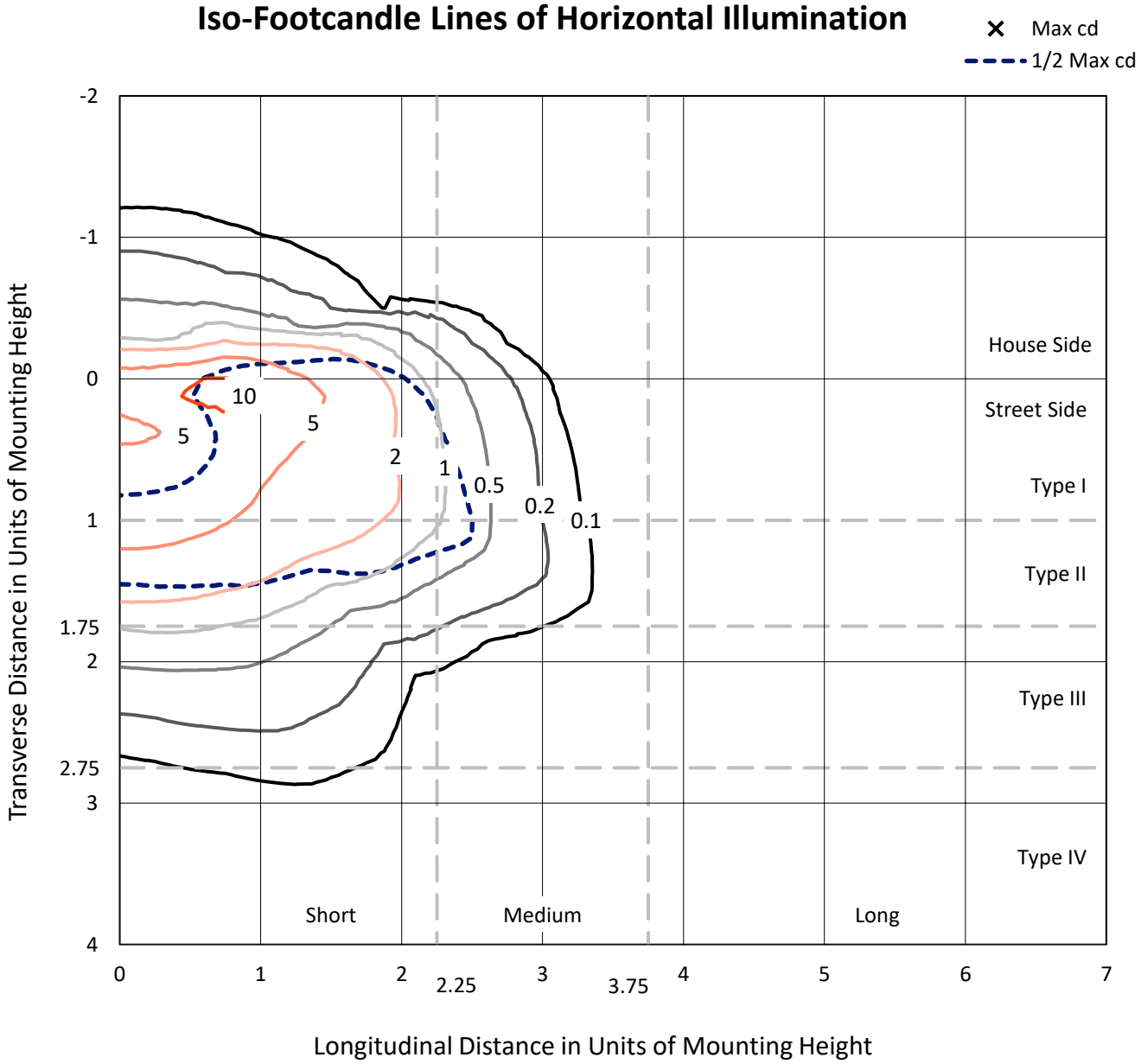
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



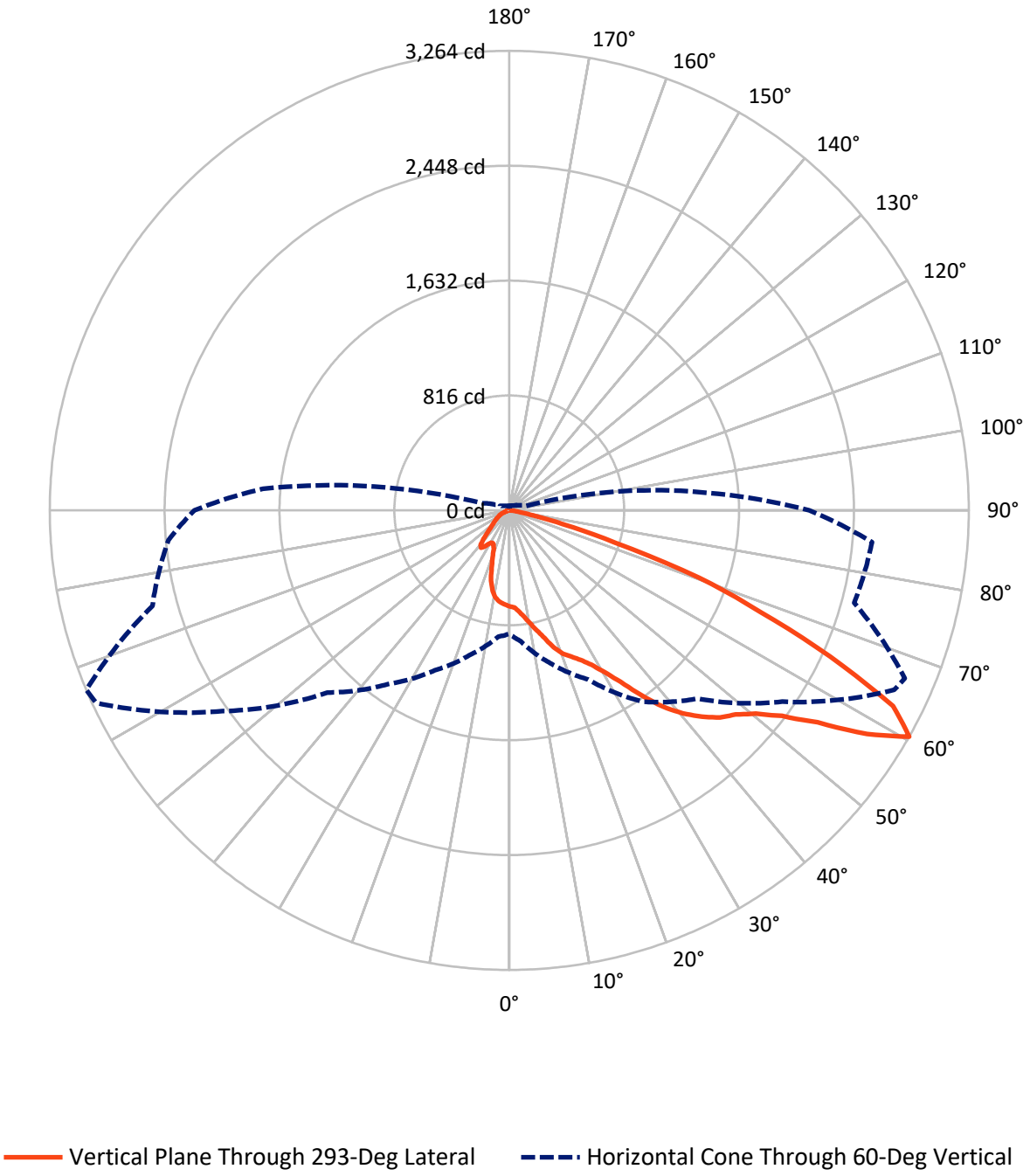
Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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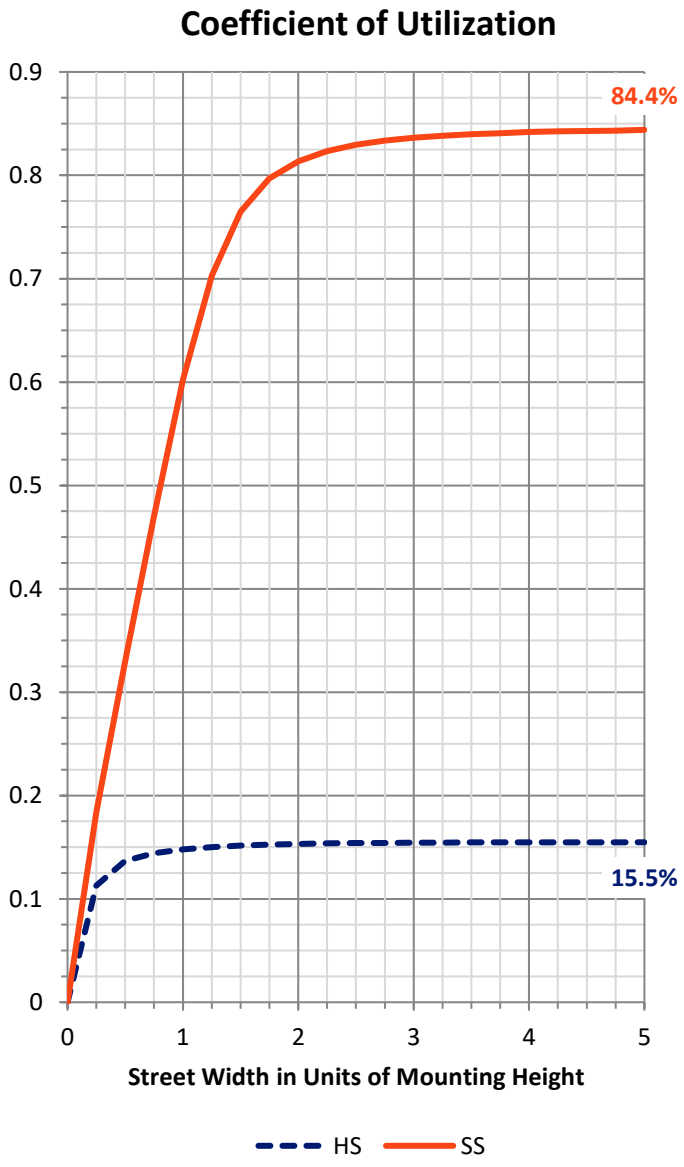
REPORT NUMBER: P1501974
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	621.0	0.0	621.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3359.3	0.0	3359.3
	% Fixture	84.4	0.0	84.4
Total	Lumens	3980.3	0.0	3980.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	1.6
10°-20°	155.6	3.9
20°-30°	290.4	7.3
30°-40°	575.9	14.5
40°-50°	918.3	23.1
50°-60°	1097.1	27.6
60°-70°	719.2	18.1
70°-80°	150.7	3.8
80°-90°	11.4	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3980.3	100.0
0°-180°	3980.3	100.0



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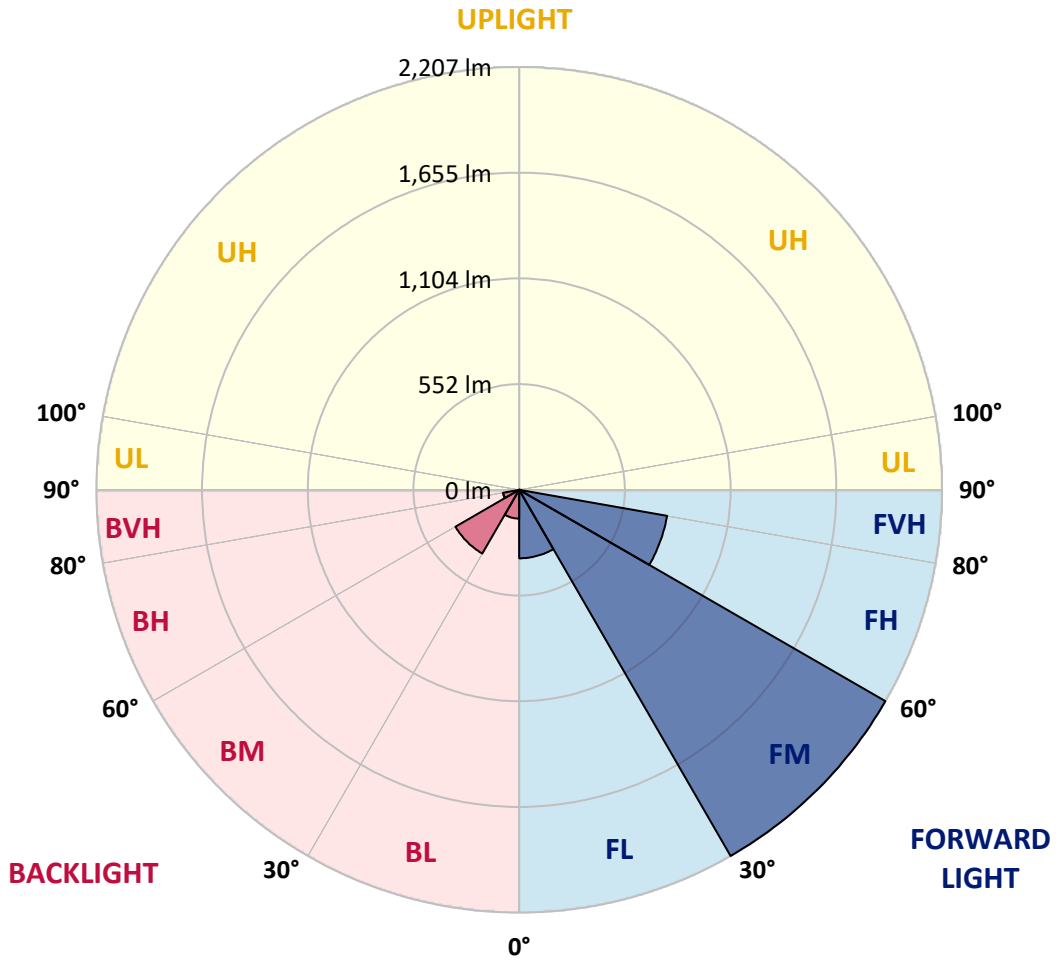
Scaled Data Report

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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	357.5	9.0			
FM	(30°-60°)	2207.3	55.5			
FH	(60°-80°)	784.1	19.7			G1/1800
FVH	(80°-90°)	10.4	0.3			G1/100
BL	(0°-30°)	150.2	3.8	B1/500		
BM	(30°-60°)	384.0	9.6	B1/1000		
BH	(60°-80°)	85.8	2.2	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2
2.5°	716.7	714.5	711.2	712.3	711.2	706.7	700.0	694.5	698.9	692.2	687.8
5°	737.9	737.9	735.7	735.7	736.8	734.6	730.1	722.3	723.4	717.9	703.4
7.5°	737.9	734.6	740.2	745.7	755.8	761.3	763.6	759.1	761.3	750.2	731.2
10°	694.5	692.2	706.7	727.9	756.9	782.5	799.2	800.4	803.7	792.5	770.3
12.5°	601.9	597.5	626.5	666.6	725.7	784.7	831.6	849.4	857.2	852.7	821.5
15°	516.1	521.7	541.7	585.2	664.4	754.6	849.4	908.5	919.6	925.2	888.4
17.5°	507.2	508.3	515.0	536.2	596.4	705.6	851.6	969.8	985.4	1009.9	959.8
20°	531.7	529.5	536.2	542.9	571.8	662.1	830.4	1028.9	1059.0	1111.4	1056.7
22.5°	577.4	577.4	580.8	585.2	599.7	658.8	821.5	1083.5	1134.8	1241.8	1178.2
25°	654.3	645.4	647.6	642.1	654.3	698.9	841.6	1127.0	1197.2	1386.7	1323.1
27.5°	773.6	776.9	756.9	726.8	733.5	771.4	890.6	1176.0	1261.8	1537.2	1470.3
30°	938.6	933.0	920.7	861.7	834.9	868.3	980.9	1256.3	1348.8	1727.8	1666.5
32.5°	1067.9	1083.5	1062.3	1021.1	979.8	989.8	1108.0	1385.6	1454.7	1902.8	1869.3
35°	1223.9	1223.9	1228.4	1170.4	1142.6	1140.3	1267.4	1526.0	1595.1	2061.1	2084.5
37.5°	1434.6	1420.1	1395.6	1330.9	1309.8	1337.6	1416.8	1670.9	1745.6	2189.3	2251.7
40°	1611.8	1621.9	1618.5	1524.9	1483.7	1513.8	1584.0	1794.7	1852.6	2271.7	2386.6
42.5°	1785.7	1791.3	1776.8	1732.2	1672.0	1674.3	1732.2	1888.3	1947.4	2350.9	2513.6
45°	1916.2	1915.0	1905.0	1893.9	1858.2	1821.4	1831.4	1992.0	2043.2	2376.5	2582.7
47.5°	1957.4	1966.3	1975.2	2006.5	2031.0	1973.0	1921.7	2047.7	2094.5	2372.1	2608.4
50°	1919.5	1938.5	1981.9	2028.7	2112.3	2107.9	1997.5	2107.9	2153.6	2396.6	2638.5
52.5°	1834.8	1853.7	1911.7	1996.4	2122.4	2184.8	2138.0	2209.3	2262.8	2459.0	2700.9
55°	1637.5	1645.3	1764.6	1876.0	2072.2	2151.4	2288.5	2381.0	2425.6	2534.8	2783.4
57.5°	1333.2	1352.1	1469.2	1650.9	1931.8	2063.3	2374.3	2674.2	2673.0	2607.3	2801.2
60°	*877.3*	*933.0*	*1123.6*	*1324.3*	*1659.8*	*1890.5*	*2368.7*	*3017.5*	*3052.0*	*2535.9*	*2586.1*
62.5°	669.9	693.3	801.5	968.7	1228.4	1567.3	2331.9	3120.0	3146.8	2344.2	2263.9
65°	503.8	532.8	636.5	785.9	867.2	1062.3	2091.2	2712.1	2748.8	2092.3	1760.1
67.5°	308.8	332.2	470.4	645.4	656.6	659.9	1411.2	2054.4	2067.8	1687.6	1184.9
70°	206.2	229.6	325.5	496.0	522.8	380.1	774.7	1555.0	1553.9	1154.8	720.1
72.5°	119.3	130.4	206.2	365.6	411.3	241.9	386.8	988.7	945.3	542.9	336.6
75°	68.0	75.8	113.7	235.2	288.7	153.8	152.7	529.5	468.2	279.8	183.9
77.5°	41.2	44.6	62.4	153.8	173.9	103.7	84.7	246.3	237.4	163.9	97.0
80°	20.1	23.4	37.9	90.3	111.5	55.7	51.3	97.0	103.7	90.3	51.3
82.5°	6.7	8.9	21.2	34.6	72.5	22.3	21.2	53.5	56.8	53.5	24.5
85°	3.3	4.5	10.0	11.1	27.9	11.1	7.8	23.4	29.0	17.8	10.0
87.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2
2.5°	684.4	682.2	677.7	669.9	668.8	663.2	654.3	648.8	644.3	647.6	648.8
5°	696.7	691.1	677.7	656.6	634.3	612.0	590.8	566.3	549.5	547.3	542.9
7.5°	719.0	707.8	678.8	637.6	580.8	527.3	464.8	404.6	374.5	370.1	360.0
10°	754.6	735.7	687.8	604.2	494.9	383.5	288.7	224.1	187.3	180.6	182.8
12.5°	797.0	770.3	688.9	547.3	376.8	237.4	163.9	139.3	131.5	128.2	128.2
15°	851.6	812.6	687.8	473.7	254.2	152.7	131.5	121.5	118.2	115.9	115.9
17.5°	920.7	869.5	680.0	363.4	171.7	132.6	120.4	112.6	108.1	107.0	107.0
20°	1002.1	933.0	662.1	270.9	143.8	123.7	113.7	103.7	100.3	98.1	98.1
22.5°	1105.8	1009.9	627.6	210.7	136.0	118.2	107.0	95.9	92.5	90.3	90.3
25°	1226.2	1108.0	581.9	189.5	134.9	113.7	100.3	89.2	85.8	84.7	83.6
27.5°	1368.8	1212.8	539.5	190.6	137.1	110.4	93.6	83.6	80.3	76.9	78.0
30°	1537.2	1320.9	505.0	204.0	139.3	107.0	89.2	80.3	76.9	72.5	72.5
32.5°	1703.3	1448.0	501.6	228.5	147.1	104.8	84.7	75.8	72.5	69.1	69.1
35°	1873.8	1563.9	520.6	260.8	162.7	101.4	79.1	71.3	68.0	65.8	64.7
37.5°	2036.5	1656.4	538.4	280.9	153.8	86.9	72.5	65.8	62.4	58.0	58.0
40°	2144.7	1706.6	541.7	265.3	127.1	78.0	65.8	59.1	54.6	52.4	51.3
42.5°	2223.8	1738.9	503.8	215.1	110.4	71.3	60.2	53.5	50.2	47.9	47.9
45°	2256.1	1727.8	439.2	163.9	101.4	65.8	54.6	49.0	46.8	44.6	44.6
47.5°	2251.7	1676.5	373.4	131.5	92.5	60.2	51.3	46.8	44.6	42.4	41.2
50°	2243.9	1628.6	306.5	117.0	82.5	56.8	47.9	44.6	41.2	39.0	37.9
52.5°	2295.2	1613.0	254.2	107.0	76.9	54.6	46.8	42.4	39.0	36.8	36.8
55°	2346.4	1619.7	199.5	100.3	71.3	53.5	45.7	41.2	37.9	34.6	34.6
57.5°	2343.1	1590.7	151.6	93.6	66.9	52.4	44.6	40.1	34.6	32.3	32.3
60°	*2130.2*	*1419.0*	*118.2*	*85.8*	*61.3*	*49.0*	*41.2*	*37.9*	*32.3*	*29.0*	*29.0*
62.5°	1801.3	1115.8	97.0	75.8	54.6	44.6	37.9	34.6	29.0	23.4	23.4
65°	1330.9	804.8	78.0	65.8	50.2	39.0	34.6	30.1	23.4	18.9	17.8
67.5°	900.7	494.9	62.4	54.6	44.6	33.4	29.0	25.6	21.2	15.6	14.5
70°	533.9	263.1	45.7	37.9	33.4	24.5	24.5	22.3	17.8	13.4	12.3
72.5°	254.2	91.4	33.4	27.9	25.6	17.8	18.9	18.9	14.5	10.0	8.9
75°	129.3	44.6	22.3	20.1	16.7	13.4	15.6	14.5	10.0	6.7	6.7
77.5°	73.6	31.2	15.6	13.4	11.1	8.9	10.0	8.9	5.6	3.3	3.3
80°	41.2	22.3	10.0	8.9	6.7	5.6	5.6	4.5	3.3	1.1	1.1
82.5°	15.6	13.4	6.7	4.5	3.3	3.3	2.2	2.2	1.1	0.0	0.0
85°	6.7	3.3	3.3	2.2	2.2	1.1	1.1	1.1	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2
2.5°	639.8	642.1	644.3	653.2	655.4	662.1	667.7	674.4	675.5	684.4	684.4
5°	551.8	550.7	569.6	597.5	615.3	639.8	658.8	678.8	690.0	704.5	711.2
7.5°	365.6	393.5	435.8	484.9	548.4	607.5	652.1	691.1	717.9	734.6	741.3
10°	181.7	197.3	241.9	322.1	430.3	550.7	645.4	717.9	761.3	780.3	792.5
12.5°	128.2	131.5	139.3	182.8	286.5	457.0	624.2	746.8	807.0	842.7	858.3
15°	114.8	117.0	120.4	132.6	177.2	341.1	586.3	779.2	878.4	919.6	939.7
17.5°	105.9	107.0	110.4	120.4	139.3	231.9	525.0	813.7	964.2	1014.4	1052.3
20°	98.1	98.1	101.4	113.7	129.3	178.4	437.0	852.7	1073.5	1145.9	1183.8
22.5°	89.2	91.4	93.6	107.0	126.0	162.7	354.5	882.8	1195.0	1283.0	1327.6
25°	82.5	84.7	86.9	100.3	122.6	162.7	306.5	901.8	1330.9	1435.7	1497.0
27.5°	76.9	79.1	82.5	95.9	119.3	169.4	287.6	907.4	1479.2	1615.2	1697.7
30°	72.5	74.7	78.0	92.5	121.5	177.2	294.3	899.6	1629.7	1800.2	1898.3
32.5°	68.0	70.2	73.6	89.2	121.5	187.3	316.6	884.0	1775.7	1985.3	2105.7
35°	64.7	65.8	66.9	80.3	110.4	186.2	344.4	868.3	1922.8	2168.1	2308.5
37.5°	58.0	59.1	61.3	69.1	88.1	169.4	350.0	849.4	2038.8	2321.9	2476.9
40°	51.3	53.5	55.7	63.5	73.6	137.1	325.5	809.3	2100.1	2440.1	2628.5
42.5°	46.8	47.9	50.2	58.0	68.0	109.2	273.1	739.0	2154.7	2520.3	2738.8
45°	43.5	44.6	46.8	52.4	63.5	94.7	215.1	653.2	2159.2	2546.0	2792.3
47.5°	40.1	41.2	42.4	47.9	61.3	84.7	165.0	575.2	2158.1	2579.4	2838.0
50°	37.9	39.0	41.2	45.7	58.0	75.8	136.0	511.6	2204.9	2651.9	2930.5
52.5°	36.8	36.8	40.1	44.6	54.6	69.1	113.7	454.8	2229.4	2723.2	2997.4
55°	34.6	35.7	37.9	42.4	51.3	65.8	97.0	383.5	2240.5	2758.9	3009.7
57.5°	32.3	33.4	36.8	40.1	49.0	62.4	83.6	286.5	2081.1	2572.7	2804.6
60°	*29.0*	*31.2*	*35.7*	*39.0*	*45.7*	*56.8*	*73.6*	*194.0*	*1755.6*	*2236.1*	*2430.0*
62.5°	23.4	27.9	32.3	34.6	41.2	47.9	62.4	129.3	1402.3	1850.4	2071.1
65°	17.8	23.4	26.8	30.1	34.6	40.1	52.4	88.1	935.2	1245.1	1493.7
67.5°	15.6	20.1	22.3	24.5	29.0	34.6	42.4	61.3	567.4	748.0	993.2
70°	12.3	16.7	18.9	17.8	22.3	26.8	30.1	41.2	289.8	405.7	565.2
72.5°	8.9	13.4	14.5	14.5	13.4	18.9	22.3	29.0	126.0	197.3	256.4
75°	6.7	8.9	10.0	8.9	7.8	12.3	15.6	18.9	82.5	118.2	149.4
77.5°	3.3	3.3	5.6	5.6	3.3	6.7	7.8	11.1	46.8	69.1	85.8
80°	1.1	0.0	0.0	1.1	0.0	2.2	3.3	5.6	24.5	36.8	53.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	12.3	11.1	27.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1501974
CATALOG NUMBER: GSS-SB1B-850-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	682.2	*682.2*	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2
2.5°	690.0	*690.0*	694.5	701.1	704.5	706.7	707.8	710.1	719.0	716.7
5°	719.0	*721.2*	724.6	731.2	739.0	736.8	736.8	736.8	742.4	737.9
7.5°	756.9	*763.6*	764.7	772.5	766.9	755.8	749.1	739.0	737.9	737.9
10°	818.2	*816.0*	816.0	805.9	785.9	753.5	724.6	704.5	693.3	694.5
12.5°	884.0	*875.0*	876.2	839.4	782.5	711.2	652.1	608.6	605.3	601.9
15°	965.3	*941.9*	937.5	852.7	732.4	623.1	565.2	530.6	519.4	516.1
17.5°	1081.3	*1022.2*	1001.0	829.3	666.6	568.5	525.0	509.4	508.3	507.2
20°	1203.9	*1086.8*	1046.7	794.8	644.3	569.6	537.3	532.8	530.6	531.7
22.5°	1346.6	*1128.1*	1076.8	800.4	664.4	606.4	580.8	577.4	575.2	577.4
25°	1493.7	*1176.0*	1112.5	844.9	724.6	674.4	644.3	637.6	644.3	654.3
27.5°	1641.9	*1240.7*	1182.7	933.0	821.5	766.9	737.9	762.5	772.5	773.6
30°	1773.5	*1330.9*	1277.4	1056.7	931.9	877.3	882.8	914.1	926.3	938.6
32.5°	1893.9	*1451.3*	1410.1	1197.2	1074.6	1042.2	1038.9	1062.3	1075.7	1067.9
35°	2015.4	*1608.5*	1568.4	1349.9	1249.6	1222.8	1195.0	1240.7	1236.2	1223.9
37.5°	2130.2	*1766.8*	1730.0	1513.8	1410.1	1363.3	1358.8	1400.1	1436.8	1434.6
40°	2212.7	*1895.0*	1850.4	1676.5	1578.4	1538.3	1561.7	1633.0	1624.1	1611.8
42.5°	2288.5	*2004.2*	1964.1	1819.2	1716.6	1734.5	1755.6	1803.6	1798.0	1785.7
45°	2324.1	*2097.9*	2063.3	1927.3	1877.1	1934.0	1932.9	1950.7	1920.6	1916.2
47.5°	2374.3	*2164.7*	2129.1	2024.3	2068.9	2092.3	2026.5	2007.6	1979.7	1957.4
50°	2466.8	*2268.4*	2232.7	2171.4	2209.3	2136.9	2056.6	2015.4	1958.5	1919.5
52.5°	2574.9	*2425.6*	2394.4	2369.8	2263.9	2114.6	2012.0	1937.3	1868.2	1834.8
55°	2710.9	*2657.4*	2635.1	2500.3	2214.9	2023.2	1902.8	1763.4	1668.7	1637.5
57.5°	2755.5	*2997.4*	2989.6	2521.4	2077.8	1857.1	1639.7	1451.3	1353.2	1333.2
60°	*2624.0*	*3263.8*	*3236.0*	*2485.8*	*1829.2*	*1507.1*	*1252.9*	*1060.1*	*900.7*	*877.3*
62.5°	2455.7	*3059.8*	3049.8	2306.3	1393.4	1080.1	936.3	755.8	687.8	669.9
65°	2103.4	*2503.6*	2508.1	1850.4	881.7	775.8	769.1	600.8	517.2	503.8
67.5°	1619.7	*1920.6*	1889.4	1163.7	513.9	620.9	614.2	439.2	317.7	308.8
70°	946.4	*1430.2*	1380.0	605.3	340.0	518.3	472.6	308.8	216.3	206.2
72.5°	418.0	*787.0*	844.9	266.4	239.7	412.4	341.1	189.5	121.5	119.3
75°	231.9	*390.1*	408.0	115.9	168.3	293.2	206.2	105.9	69.1	68.0
77.5°	139.3	*172.8*	168.3	74.7	126.0	187.3	124.8	60.2	43.5	41.2
80°	78.0	*79.1*	66.9	54.6	74.7	104.8	70.2	37.9	20.1	20.1
82.5°	47.9	*43.5*	34.6	16.7	20.1	63.5	25.6	21.2	6.7	6.7
85°	20.1	*13.4*	8.9	3.3	7.8	16.7	8.9	10.0	3.3	3.3
87.5°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-12

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-850-U-5WQ

Data in this report applies to families of products including GSS-SB1A-850-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

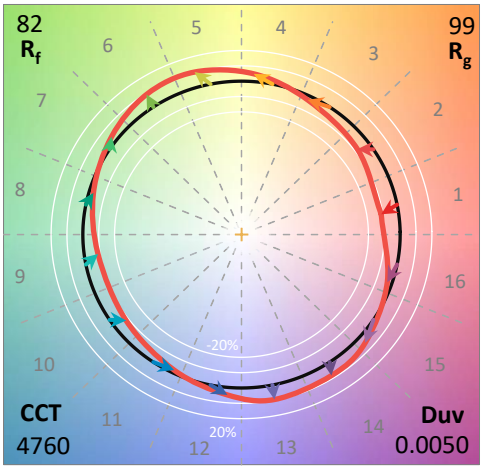
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-12
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-850-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4760
CIE u':	0.2107
CIE v':	0.4939
Duv:	0.0050
CIE x:	0.3537
CIE y:	0.3685
CIE z:	0.2779
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	571
Purity:	16.69598
Rf:	82
Rg:	99.4

CRI (Ra):	81.1
R1:	79.8
R2:	83.5
R3:	87.9
R4:	83.1
R5:	80.5
R6:	79.1
R7:	86.1
R8:	69.0
R9:	8.7
R10:	62.4
R11:	83.8
R12:	63.0
R13:	79.9
R14:	93.3
R15:	72.7



Test Conditions

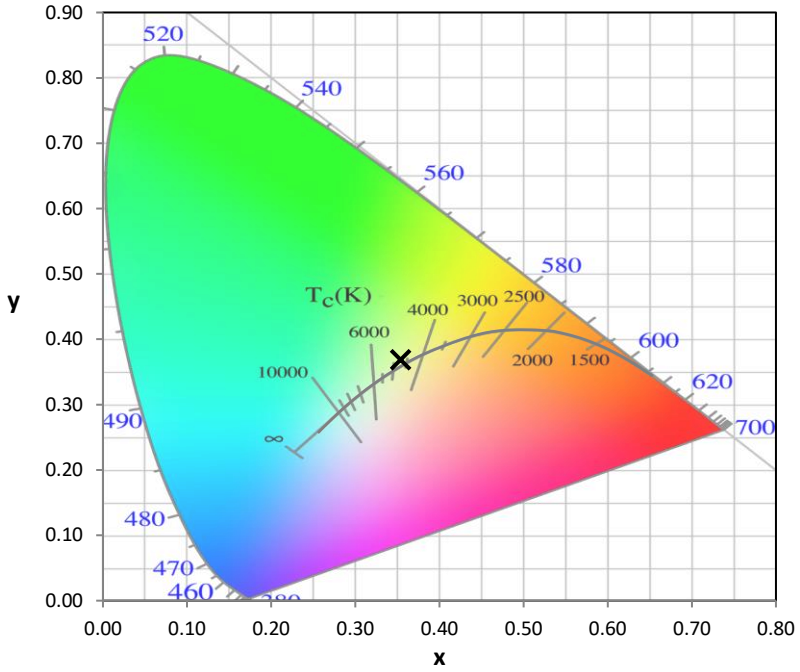
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

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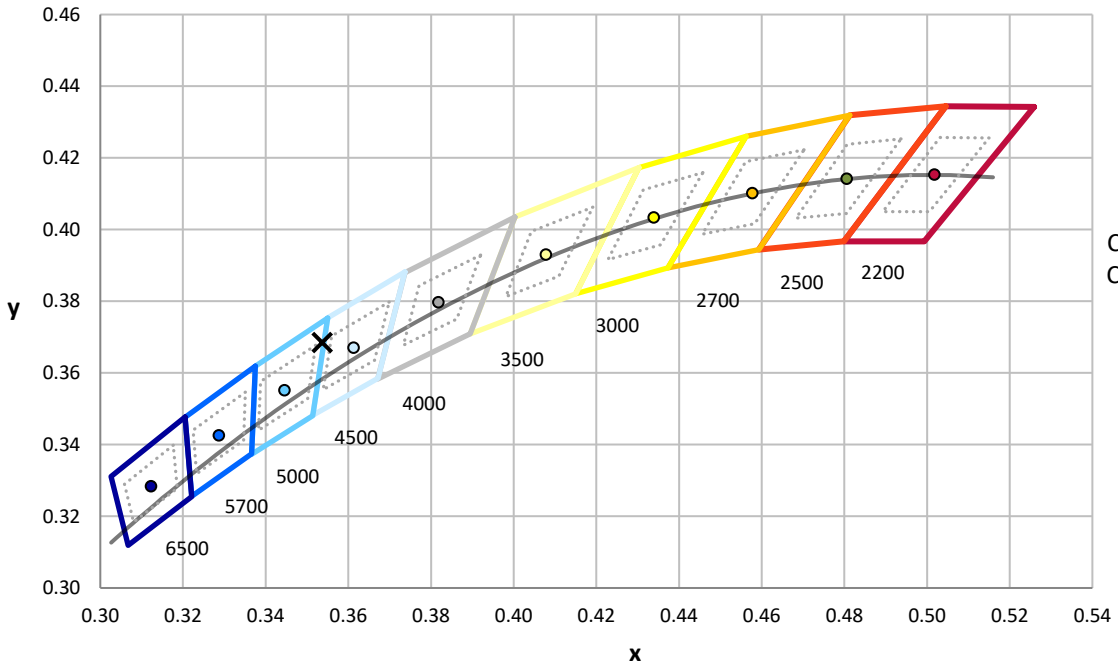
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

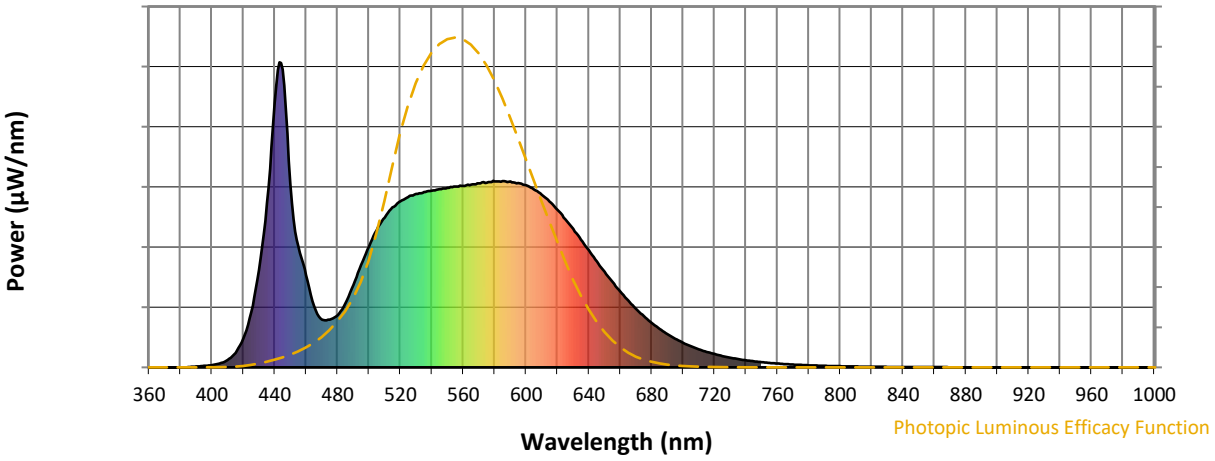


CCT = 4760K
CIE x = 0.3537
CIE y = 0.3685
Duv = 0.0050

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-12

Photopic Flux vs. Wavelength

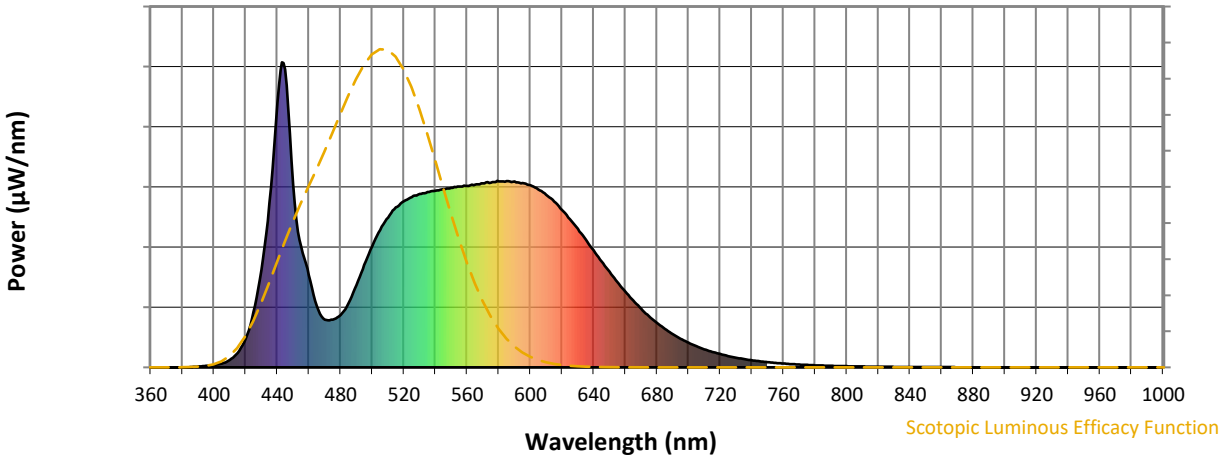


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Scotopic Flux vs. Wavelength

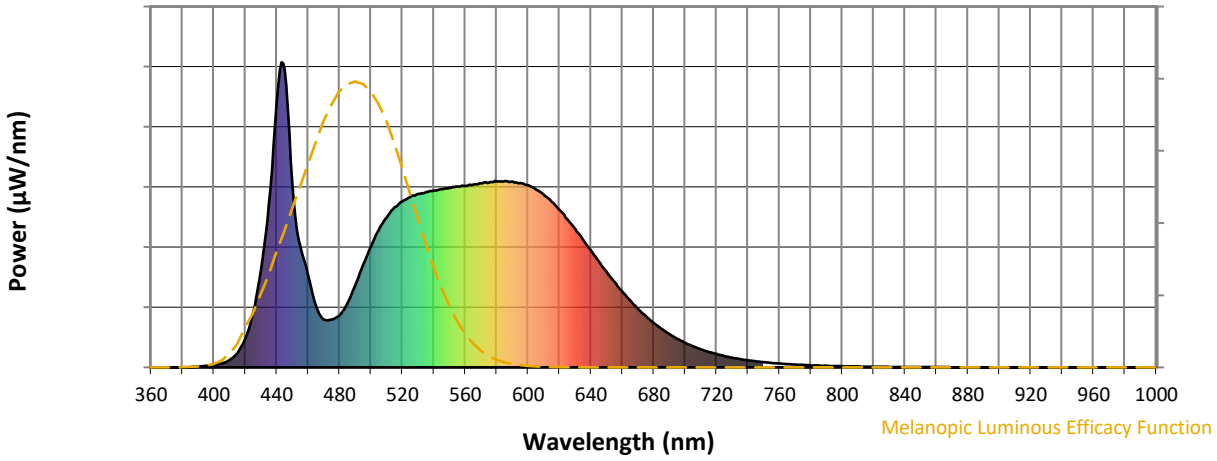


Scotopic Lumens: NR **S/P: 1.83**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.74**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	270	NR	620	517	NR	750	17	NR	880	0	NR
365	0	NR	495	335	NR	625	486	NR	755	15	NR	885	0	NR
370	0	NR	500	397	NR	630	454	NR	760	12	NR	890	0	NR
375	0	NR	505	451	NR	635	419	NR	765	11	NR	895	0	NR
380	0	NR	510	492	NR	640	384	NR	770	9	NR	900	0	NR
385	1	NR	515	524	NR	645	347	NR	775	8	NR	905	0	NR
390	3	NR	520	545	NR	650	313	NR	780	7	NR	910	0	NR
395	5	NR	525	558	NR	655	280	NR	785	6	NR	915	0	NR
400	7	NR	530	568	NR	660	248	NR	790	5	NR	920	0	NR
405	13	NR	535	575	NR	665	219	NR	795	4	NR	925	0	NR
410	24	NR	540	579	NR	670	192	NR	800	4	NR	930	0	NR
415	47	NR	545	585	NR	675	167	NR	805	3	NR	935	0	NR
420	95	NR	550	588	NR	680	146	NR	810	3	NR	940	0	NR
425	181	NR	555	593	NR	685	126	NR	815	2	NR	945	0	NR
430	319	NR	560	595	NR	690	109	NR	820	2	NR	950	0	NR
435	539	NR	565	600	NR	695	94	NR	825	2	NR	955	0	NR
440	868	NR	570	603	NR	700	80	NR	830	2	NR	960	0	NR
445	977	NR	575	606	NR	705	69	NR	835	1	NR	965	0	NR
450	601	NR	580	609	NR	710	59	NR	840	1	NR	970	0	NR
455	397	NR	585	611	NR	715	51	NR	845	1	NR	975	0	NR
460	302	NR	590	610	NR	720	44	NR	850	1	NR	980	0	NR
465	201	NR	595	604	NR	725	37	NR	855	1	NR	985	0	NR
470	157	NR	600	596	NR	730	32	NR	860	1	NR	990	0	NR
475	157	NR	605	583	NR	735	27	NR	865	1	NR	995	0	NR
480	171	NR	610	566	NR	740	23	NR	870	1	NR	1000	0	NR
485	210	NR	615	543	NR	745	20	NR	875	0	NR			

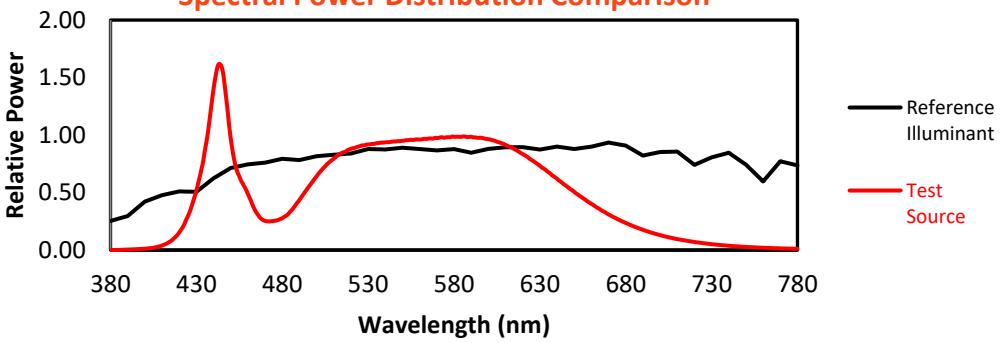
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TM-30-18

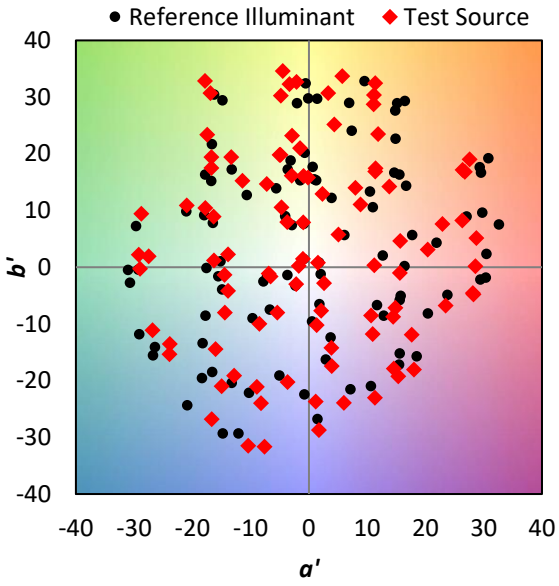
Summary

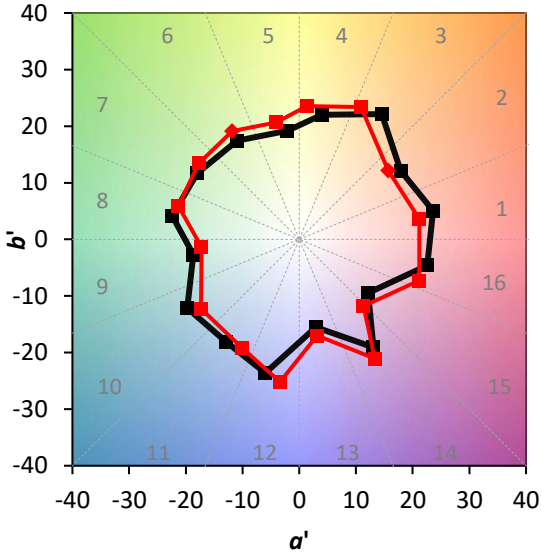
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R_g = 99.4
CIE R_a = 81.1
R_9 = 8.7

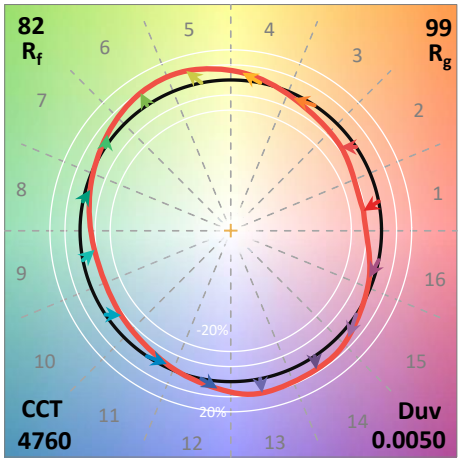
Spectral Power Distribution Comparison

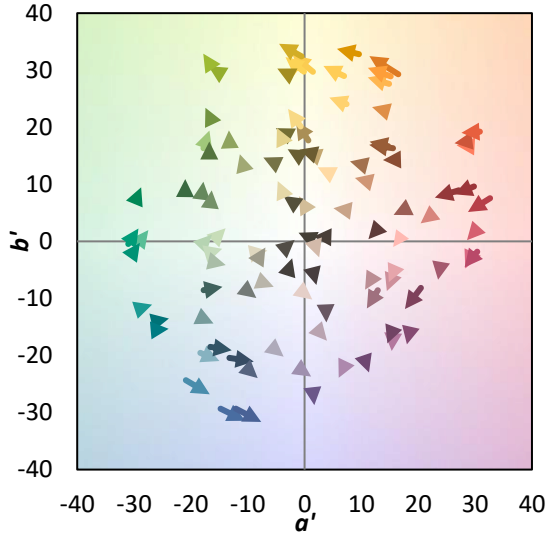


Color Vector Graphics







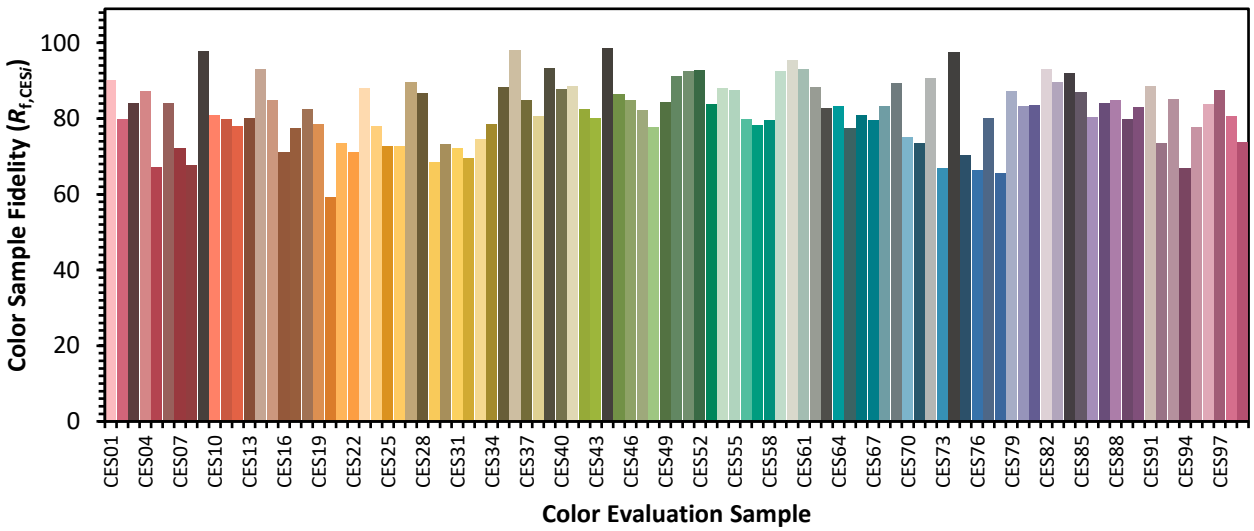


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TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

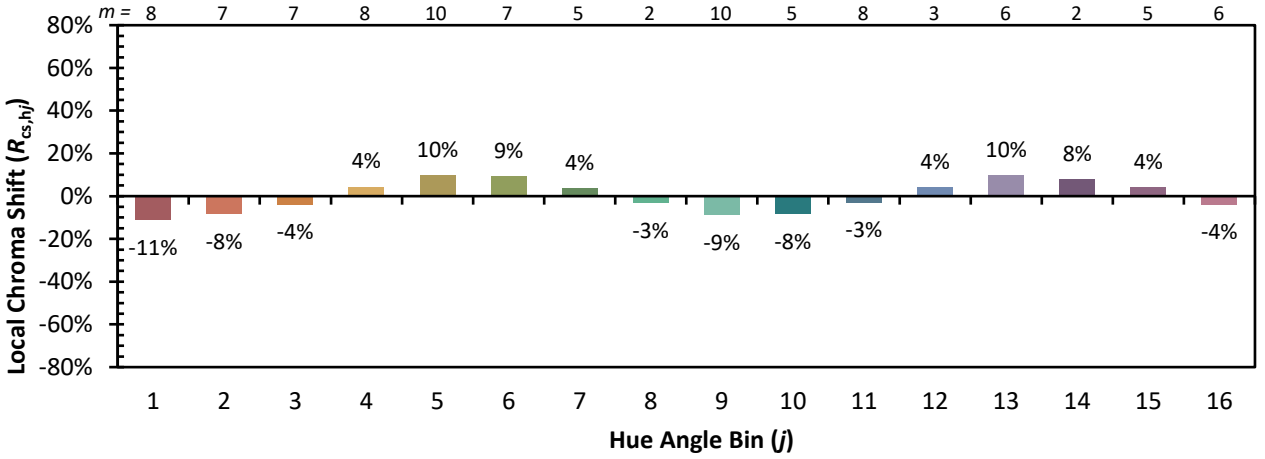
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CES02 = 60	CES27 = 90	CES52 = 93	CES77 = 80
CES03 = 30	CES28 = 87	CES53 = 84	CES78 = 65
CES04 = 69	CES29 = 69	CES54 = 88	CES79 = 87
CES05 = 47	CES30 = 73	CES55 = 88	CES80 = 83
CES06 = 50	CES31 = 72	CES56 = 80	CES81 = 84
CES07 = 40	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 39	CES33 = 75	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 78	CES59 = 93	CES84 = 92
CES10 = 73	CES35 = 88	CES60 = 95	CES85 = 87
CES11 = 56	CES36 = 98	CES61 = 93	CES86 = 80
CES12 = 62	CES37 = 85	CES62 = 88	CES87 = 84
CES13 = 42	CES38 = 81	CES63 = 83	CES88 = 85
CES14 = 74	CES39 = 93	CES64 = 83	CES89 = 80
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 83
CES16 = 46	CES41 = 89	CES66 = 81	CES91 = 89
CES17 = 48	CES42 = 82	CES67 = 80	CES92 = 73
CES18 = 55	CES43 = 80	CES68 = 83	CES93 = 85
CES19 = 70	CES44 = 99	CES69 = 89	CES94 = 67
CES20 = 64	CES45 = 87	CES70 = 75	CES95 = 78
CES21 = 85	CES46 = 85	CES71 = 73	CES96 = 84
CES22 = 77	CES47 = 82	CES72 = 91	CES97 = 87
CES23 = 91	CES48 = 78	CES73 = 67	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 74
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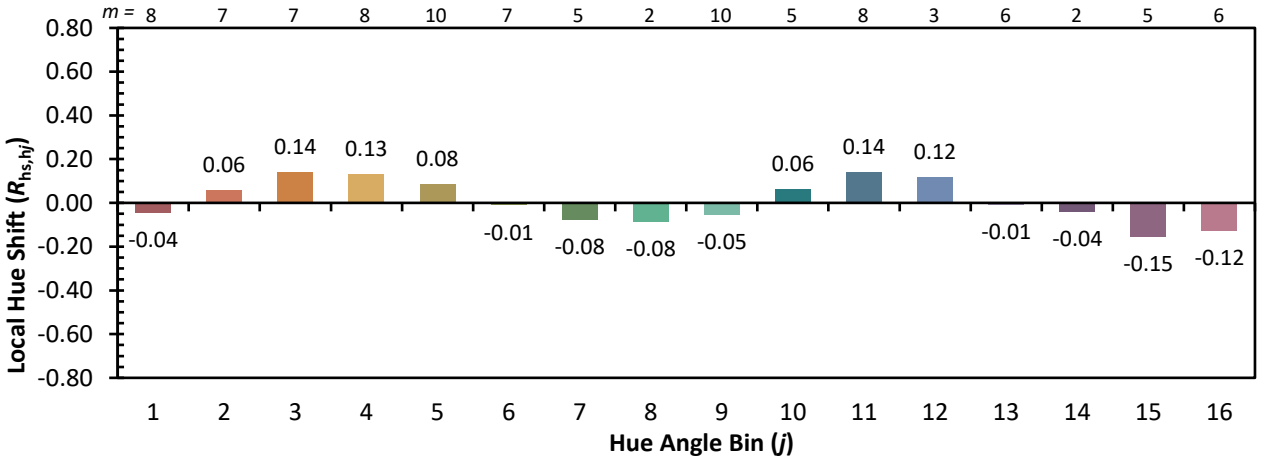


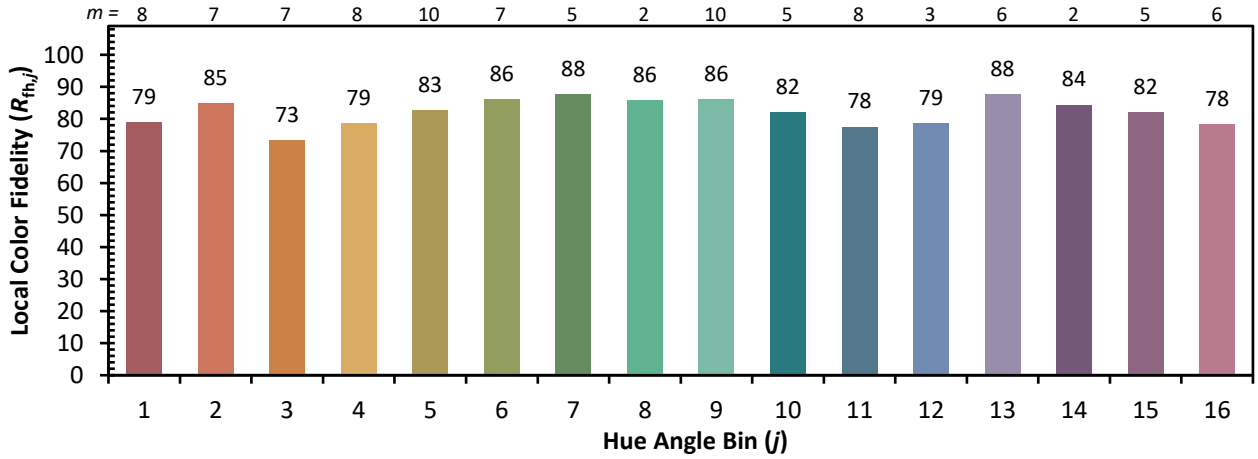
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Color Rendition by Hue-Angle Bin



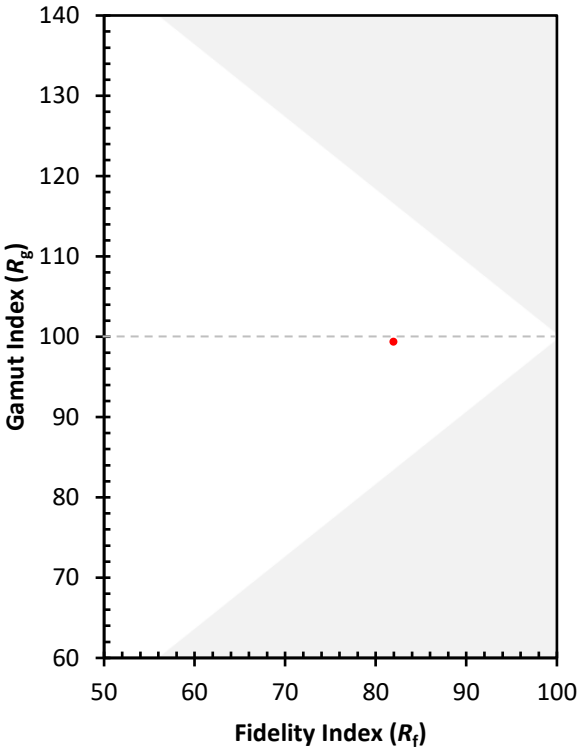


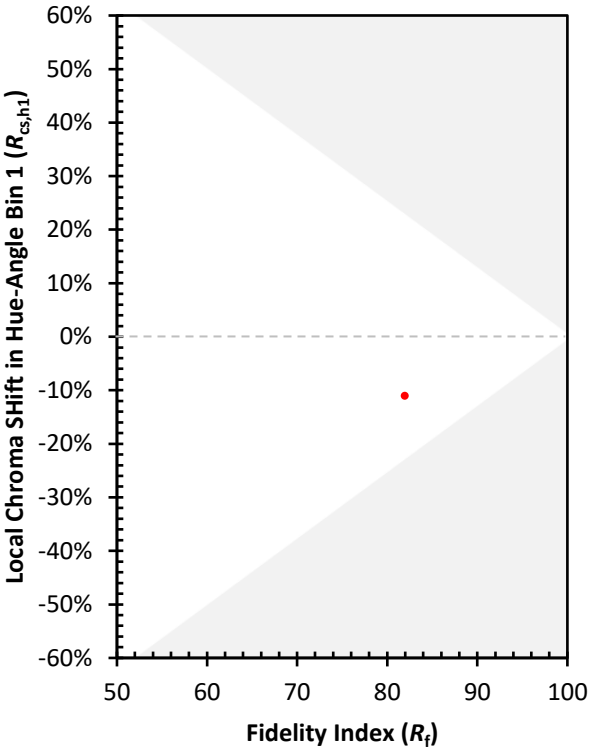


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Measure Comparisons





(END OF REPORT)